

REMARKS

This is intended as a full and complete response to the Office Action dated May 13, 2008 (hereinafter "the Office Action") having a shortened statutory period for response set to expire on August 13, 2008.

Claims 1-3, 5-11 and 13-20 are pending in the present Office Action. Claims 1-3, 5-11 and 13-20 are rejected.

CLAIM REJECTIONS

35 U.S.C. § 103

Claims 1, 2, 7 and 9 are rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent 6,956,917 to Lenosky in view of U.S. Patent 6,246,731 to Brianti et al in further view of U.S. Patent 5,889,827 to Bottomley et al. Applicants respectfully disagree with the rejection. The Office Action states, in its citation to Brianti, that Brianti teaches "wherein the modified pulse has zero crossings located substantially at bit edges immediately adjacent to a bit period..." The Office Action attributes this teaching to Brianti's Fig. 1 ($m=1$).

Applicants believe this interpretation to be in error. At the bit edge shown in Brianti's Fig 1, it is the peak of the waveform that is located substantially at the bit edge. (See Brianti, Fig 1 Equalizer targets, $m=1$, juxtaposed with the input write current bit edge. Indeed, at no time does Brianti refer to or disclose a zero-crossing at or even near a bit-edge.

This negates Brianti's contribution to the combination of references cited in the rejection of Applicants' Application under 35 U.S.C. § 103(a). Applicants respectfully submit that neither Brianti nor either of the other two references disclose "wherein the modified pulse has zero crossings located substantially at bit edges immediately adjacent to a bit period..." as is claimed in the present Application. Claim 1 is, therefore, allowable. Claims 2, 3 and 5-10 depend from allowable Claim 1 and are allowable.

Claims 11, 13 and 18 are rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent 6,956,917 to Lenosky in view of U.S. Patent 6,246,731 to Brianti et al in further view of the publication "Digital Communication by Edward A. Lee and David G. Messerschmitt.

Regarding Claim 11, and by extension Claim 16, the Office Action maintains that the element of "wherein the modified pulse has zero crossings located substantially at bit edges..." is taught in the cited references. Applicants have shown above that it is not. For at least the reasons discussed above, Claims 11 and 16 are allowable. Claim 13 depends from Claim 11 and Claim 18 depends from Claim 16. Claims 13 and 18 are allowable.

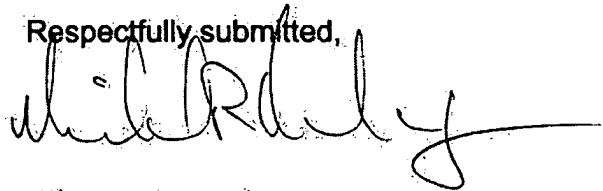
Notwithstanding the stated rejections of dependent claims, all of the independent claims are shown to be allowable. By virtue of their dependency, all of the remaining dependent claims are allowable.

CONCLUSION

Claims 1-3, 5-11 and 13-20 remain for examination. No new matter has been introduced. All remaining claims are in condition for allowance, and a Notice of Allowance is respectfully requested.

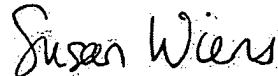
If there are any questions, the Applicant's attorney can be reached at Tel: 408-879-6149 (Pacific Standard Time).

Respectfully submitted,



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I hereby certify that this correspondence is being filed via EFS-Web with the United States Patent and Trademark Office on August 13, 2008.



Susan Wiens